

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/37310

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61B18/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 931 836 A (MATSUMOTO HIROAKI ET AL) 3 August 1999 (1999-08-03) abstract; figures 2A,15 column 1, line 50 -column 2, line 53 column 5, line 13 -column 6, line 22 column 11, line 43 -column 12, line 35	1,2,5-7
Y	---	3,4
Y	CHICHARO J F ET AL: "A sliding Goertzel algorithm" SIGNAL PROCESSING, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 52, no. 3, 1 August 1996 (1996-08-01), pages 283-297, XP004012139 ISSN: 0165-1684 the whole document ---	3,4
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

6 August 2004

Date of mailing of the international search report

13/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wetzig, T

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>OGDEN F: "GOERTZEL ALTERNATIVE TO THE FOURIER TRANSFORM" ELECTRONICS WORLD (INCL. WIRELESS WORLD), REED BUSINESS PUBLISHING, SUTTON, SURREY, GB, vol. 99, no. 1687, 1 June 1993 (1993-06-01), pages 485-487, XP000303838 ISSN: 0959-8332 the whole document</p>	3
A	<p>-----</p>	4

International Application No  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5931836 A	03-08-1999	JP 10094545 A	14-04-1998
		JP 10225462 A	25-08-1998